Welcome to STN International! Enter x:x

LOGINID:ssspta1600LUE

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

```
* * * * * * * *
                     Welcome to STN International
NEWS
                 Web Page URLs for STN Seminar Schedule - N. America
                 "Ask CAS" for self-help around the clock
NEWS
NEWS 3 Feb 24 PCTGEN now available on STN
NEWS 4 Feb 24 TEMA now available on STN
NEWS 5 Feb 26 NTIS now allows simultaneous left and right truncation
NEWS 6 Feb 26 PCTFULL now contains images
NEWS 7 Mar 04
                 SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 8 Mar 24
                 PATDPAFULL now available on STN
NEWS 9
                 Additional information for trade-named substances without
        Mar 24
                 structures available in REGISTRY
NEWS 10
        Apr 11
                 Display formats in DGENE enhanced
NEWS 11
         Apr 14
                 MEDLINE Reload
NEWS 12
         Apr 17
                 Polymer searching in REGISTRY enhanced
NEWS 13
         Jun 13
                 Indexing from 1947 to 1956 added to records in CA/CAPLUS
NEWS 14
                 New current-awareness alert (SDI) frequency in
         Apr 21
                 WPIDS/WPINDEX/WPIX
NEWS 15 Apr 28
                 RDISCLOSURE now available on STN
NEWS 16 May 05
                 Pharmacokinetic information and systematic chemical names
                 added to PHAR
NEWS 17 May 15
                MEDLINE file segment of TOXCENTER reloaded
NEWS 18 May 15
                 Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 19 May 19
                 Simultaneous left and right truncation added to WSCA
NEWS 20 May 19
                RAPRA enhanced with new search field, simultaneous left and
                 right truncation
NEWS 21 Jun 06
                Simultaneous left and right truncation added to CBNB
NEWS 22 Jun 06 PASCAL enhanced with additional data
NEWS 23 Jun 20 2003 edition of the FSTA Thesaurus is now available
NEWS 24 Jun 25 HSDB has been reloaded
NEWS 25 Jul 16 Data from 1960-1976 added to RDISCLOSURE
NEWS 26 Jul 21 Identification of STN records implemented
NEWS 27 Jul 21 Polymer class term count added to REGISTRY
NEWS 28 Jul 22
                INPADOC: Basic index (/BI) enhanced; Simultaneous Left and
                 Right Truncation available
NEWS 29
        AUG 05
                New pricing for EUROPATFULL and PCTFULL effective
                August 1, 2003
             April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
NEWS EXPRESS
             MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
             AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS
             STN Operating Hours Plus Help Desk Availability
NEWS INTER
             General Internet Information
NEWS LOGIN
             Welcome Banner and News Items
NEWS PHONE
             Direct Dial and Telecommunication Network Access to STN
NEWS WWW
             CAS World Wide Web Site (general information)
```

Enter NEWS followed by the item number or name to see news on that

.specific topic.

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FILE 'HOME' ENTERED AT 17:39:51 ON 09 AUG 2003

=> registry

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Some commands only work in certain files. For example, the EXPAND
command can only be used to look at the index in a file which has an
index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of
commands which can be used in this file.

=> file registry
COST IN U.S. DOLLARS

SINCE FILE TOTAL
ENTRY SESSION
0.21 0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 17:40:08 ON 09 AUG 2003 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2003 American Chemical Society (ACS)

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STRUCTURE FILE UPDATES: 8 AUG 2003 HIGHEST RN 563538-18-1 DICTIONARY FILE UPDATES: 8 AUG 2003 HIGHEST RN 563538-18-1

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details: http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> e	po	tassium	stannate
------	----	---------	----------

E1	1	POTASSIOUM/BI
E2	106000	POTASSIUM/BI
E3	0	> POTASSIUM STANNATE/BI
E4	1	POTASSIUMAZIRIDINE/BI
E5	2	POTASSIUMHEXA/BI
E6	1	POTASSIUMHEXACHLORO/BI
E7	1	POTASSIUMHEXACHLOROMOLYBD/BI
E8	1	POTASSIUMHEXACHLOROMOLYBDATE/BI
E9	1	POTASSIUMHEXAFLUORO/BI
E10	1	POTASSIUMHEXAFLUOROCER/BI
E11	1	POTASSIUMHEXAFLUOROCERATE/BI
E12	1	POTASSIUMMYRIST/BI

^{=&}gt; e sodium stannate

```
. E1
                    SODIUD/BI
              1
         273934
 É2
                   SODIUM/BI
 E3
              0 --> SODIUM STANNATE/BI
 E4
                    SODIUM: ALANINE/BI
 E5
              1
                    SODIUM: CHOLATE/BI
 Е6
              1
                    SODIUM: CITRATE/BI
 E7
             17
                    SODIUM: DICARBOXYLATE/BI
 E8
              6
                    SODIUM: GALACTOSIDE/BI
 E9
              1
                    SODIUM: GLUTAMATE/BI
 E10
                    SODIUM: NEUROTRANSMITTER/BI
              1
              2
 E11
                    SODIUM: PANTOTHENATE/BI
 E12
              6
                    SODIUM: PROLINE/BI
 => ammonium stannate
          79013 AMMONIUM
           7694 STANNATE
 L1
              1 AMMONIUM STANNATE
                  (AMMONIUM(W) STANNATE)
 => d, all
        3922588 D
          18193 ALL
 L2
             26 D, ALL
                 (D(W)ALL)
 => d, 11,all
        3922588 D
              0 L1,ALL
L3
              0 D, L1, ALL
                 (D(W)L1,ALL)
=> d 11
     ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
L1
     111716-23-5 REGISTRY
RN
     Stannate (SnO32-), diammonium (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
     Ammonium stannate(IV) ((NH4)2SnO3) (6CI)
MF
     H4 N . 1/2 O3 Sn
CI
     CCS
SR
     CA
LC
     STN Files: CA, CAOLD, CAPLUS, USPATFULL
CRN (38668-37-0)
 ●2 NH4+
                6 REFERENCES IN FILE CA (1947 TO DATE)
                6 REFERENCES IN FILE CAPLUS (1947 TO DATE)
                1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)
=> s calplus
            1 CALPLUS
```

=> file caplus COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 37.44 37.65

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 17:43:00 ON 09 AUG 2003
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FILE COVERS 1907 - 9 Aug 2003 VOL 139 ISS 7 FILE LAST UPDATED: 8 Aug 2003 (20030808/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 11 and (chemical mechanical polishing)
6 L1
815474 CHEMICAL
229418 MECHANICAL

41510 POLISHING 1426 CHEMICAL MECHANICAL POLISHING

(CHEMICAL(W)MECHANICAL(W)POLISHING)
1 L1 AND (CHEMICAL MECHANICAL POLISHING)

=> d, 16

L6

MISSING OPERATOR D, L6

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> d,all

2011232 D 1671310 ALL

L7 336 D, ALL

(D(W)ALL)

=> d 16,all

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN

AN 2002:185682 CAPLUS

DN 136:255652

TI Chemical mechanical polishing composition

with long pot life for smoothing metal layers for electronic devices

IN Wang, Yuchun; Bajaj, Rajeev; Redeker, Fred C.; Li, Shijian

PA Applied Materials, Inc., USA

SO U.S. Pat. Appl. Publ., 12 pp. CODEN: USXXCO

```
English
LΑ
IC
     ICM B24B001-00
NCL 451041000
     76-3 (Electric Phenomena)
CC
FAN.CNT 1
     PATENT NO.
                    KIND DATE
                                         APPLICATION NO. DATE
     -----
                                          ______
PΙ
     US 2002031985
                     A1 20020314
                                          US 2001-842476 20010425
PRAI US 2000-221603P P 20000728
     A method and compn. with long pot life for CMP planarizing a substrate
     surface is provided. The polishing compn. includes an oxidizer capable of
     oxidizing a metal undergoing planarization and yielding a complexing agent
     which complexes with the oxidized metal and a stabilizer such as a
     stannate salt. The compn. may further include abrasive particles and/or
     inhibitors. The compn. may be used in a multi-step polishing process
     including polishing a substrate surface to selectively remove a metal
     layer with respect to a barrier layer and dielec. layer and polishing a
     substrate surface using the compn. to nonselectively remove the metal
     layer, a barrier layer, and a dielec. layer from the substrate surface.
ST
     CMP slurry dielec metal film electronics
IT
     Abrasives
     Alkyl groups
     Aryl groups
     Complexing agents
     Corrosion inhibitors
     Dielectric films
     Diffusion barrier
     Oxidizing agents
     Particles
     Slurries
     Stabilizing agents
        (chem. mech. polishing compn. with long pot life for smoothing metal
        layers for electronic devices)
IT
    Metals, processes
     RL: CPS (Chemical process); PEP (Physical, engineering or chemical
     process); REM (Removal or disposal); TEM (Technical or engineered material
     use); PROC (Process); USES (Uses)
        (chem. mech. polishing compn. with long pot life for smoothing metal
        layers for electronic devices)
ΙT
    Carboxylic acids, uses
     Polyoxyalkylenes, uses
    RL: TEM (Technical or engineered material use); USES (Uses)
        (chem. mech. polishing compn. with long pot life for smoothing metal
       layers for electronic devices)
ΙT
    Polishing
        (chem.-mech.; chem. mech. polishing compn. with long pot life for
       smoothing metal layers for electronic devices)
IT
    Polyoxyalkylenes, uses
    RL: TEM (Technical or engineered material use); USES (Uses)
        (derivs.; chem. mech. polishing compn. with long pot life for smoothing
       metal layers for electronic devices)
    Polyoxyalkylenes, uses
    RL: TEM (Technical or engineered material use); USES (Uses)
        (peroxic acid derivs.; chem. mech. polishing compn. with long pot life
       for smoothing metal layers for electronic devices)
IT
    Carboxylic acids, uses
    RL: TEM (Technical or engineered material use); USES (Uses)
        (peroxy; chem. mech. polishing compn. with long pot life for smoothing
       metal layers for electronic devices)
IT
    Functional groups
        (peroxycarboxylate; chem. mech. polishing compn. with long pot life for
```

. DT

Patent

```
smoothing metal layers for electronic devices)
ΙT
     Carboxylic acids, uses
     RL: TEM (Technical or engineered material use); USES (Uses)
        (salts; chem. mech. polishing compn. with long pot life for smoothing
        metal layers for electronic devices)
IT
     334490-97-0, Black diamond
     RL: CPS (Chemical process); PEP (Physical, engineering or chemical
     process); REM (Removal or disposal); TEM (Technical or engineered material
     use); PROC (Process); USES (Uses)
        (chem. mech. polishing compn. with long pot life for smoothing metal
        layers for electronic devices)
IT
     7440-25-7, Tantalum, processes
                                      7440-31-5D, Tin, salts
                                                               7440-50-8,
     Copper, processes
     RL: CPS (Chemical process); PEP (Physical, engineering or chemical
     process); TEM (Technical or engineered material use); PROC (Process); USES
        (chem. mech. polishing compn. with long pot life for smoothing metal
        layers for electronic devices)
ΙT
     51-17-2, Benzimidazole
                             71-43-2, Benzene, uses
                                                       71-43-2D, Benzene,
             79-21-0, Peroxyacetic acid 93-59-4, Peroxybenzoic acid
     95-14-7, 1H-Benzotriazole
                                95-16-9, Benzothiazole
                                                          107-32-4,
     Peroxyformic acid 288-32-4, Imidazole, uses 1310-58-3, Potassium
     hydroxide, uses
                     1336-21-6, Ammonium hydroxide 12058-66-1, Sodium
               12142-33-5, Potassium stannate 25322-68-3, Polyethylene
     glycol
              25322-68-3D, Polyethylene glycol, derivs.
                                                          25322-68-3D,
     Polyethylene glycol, peroxic acid derivs.
                                                 26264-09-5, Chlorobenzoic acid
     28804-48-0, Mercaptobenzotriazole 111716-23-5
                                                     403855-40-3
     RL: TEM (Technical or engineered material use); USES (Uses)
        (chem. mech. polishing compn. with long pot life for smoothing metal
        layers for electronic devices)
TΨ
     7631-86-9, Colloidal silica, uses
     RL: TEM (Technical or engineered material use); USES (Uses)
        (colloidal; chem. mech. polishing compn. with long pot life for
        smoothing metal layers for electronic devices)
IT
     7440-44-0, Carbon, uses
     RL: MOA (Modifier or additive use); USES (Uses)
        (silica dopant; chem. mech. polishing compn. with long pot life for
        smoothing metal layers for electronic devices)
=> d,16,kwic
       2011232 D
         3101 'L6'
            46 KWIC
L8
            0 D, L6, KWIC
                 (D(W)'L6'(W)KWIC)
=> s 111716-23-5 and (chemical mechanical polishing)
  REG1stRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.
```

L10 6 L9

815474 CHEMICAL 229418 MECHANICAL L11 1 L10 AND (CHEMICAL MECHANICAL POLISHING)

```
=> d l11,all
```

ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN

AN 2002:185682 CAPLUS

DN 136:255652

ΤI Chemical mechanical polishing composition

with long pot life for smoothing metal layers for electronic devices

IN Wang, Yuchun; Bajaj, Rajeev; Redeker, Fred C.; Li, Shijian

PA Applied Materials, Inc., USA

SO U.S. Pat. Appl. Publ., 12 pp.

CODEN: USXXCO

DTPatent

English LΑ

IC ICM B24B001-00

NCL 451041000

CC 76-3 (Electric Phenomena)

FAN.CNT 1

DATE APPLICATION NO. DATE PATENT NO. KIND DATE US 2002031985 A1 20020314 US 2001-842476 20010425 PRAI US 2000-221603P P 20000728

A method and compn. with long pot life for CMP planarizing a substrate surface is provided. The polishing compn. includes an oxidizer capable of oxidizing a metal undergoing planarization and yielding a complexing agent which complexes with the oxidized metal and a stabilizer such as a stannate salt. The compn. may further include abrasive particles and/or inhibitors. The compn. may be used in a multi-step polishing process including polishing a substrate surface to selectively remove a metal layer with respect to a barrier layer and dielec. layer and polishing a substrate surface using the compn. to nonselectively remove the metal

layer, a barrier layer, and a dielec. layer from the substrate surface. CMP slurry dielec metal film electronics

IΤ Abrasives

Alkyl groups

Aryl groups

Complexing agents

Corrosion inhibitors

Dielectric films

Diffusion barrier

Oxidizing agents

Particles

Slurries

Stabilizing agents

(chem. mech. polishing compn. with long pot life for smoothing metal layers for electronic devices)

ITMetals, processes

> RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); REM (Removal or disposal); TEM (Technical or engineered material use); PROC (Process); USES (Uses)

(chem. mech. polishing compn. with long pot life for smoothing metal layers for electronic devices)

TΤ Carboxylic acids, uses

Polyoxyalkylenes, uses

RL: TEM (Technical or engineered material use); USES (Uses) (chem. mech. polishing compn. with long pot life for smoothing metal layers for electronic devices)

```
· IT
       Polishing
          (chem.-mech.; chem. mech. polishing compn. with long pot life for
          smoothing metal layers for electronic devices)
  ΙT
       Polyoxyalkylenes, uses
       RL: TEM (Technical or engineered material use); USES (Uses)
          (derivs.; chem. mech. polishing compn. with long pot life for smoothing
          metal layers for electronic devices)
       Polyoxyalkylenes, uses
  IT
       RL: TEM (Technical or engineered material use); USES (Uses)
          (peroxic acid derivs.; chem. mech. polishing compn. with long pot life
          for smoothing metal layers for electronic devices)
  IT
       Carboxylic acids, uses
       RL: TEM (Technical or engineered material use); USES (Uses)
          (peroxy; chem. mech. polishing compn. with long pot life for smoothing
          metal layers for electronic devices)
  ΙT
       Functional groups
          (peroxycarboxylate; chem. mech. polishing compn. with long pot life for
          smoothing metal layers for electronic devices)
       Carboxylic acids, uses
  IT
       RL: TEM (Technical or engineered material use); USES (Uses)
          (salts; chem. mech. polishing compn. with long pot life for smoothing
          metal layers for electronic devices)
  IT
       334490-97-0, Black diamond
       RL: CPS (Chemical process); PEP (Physical, engineering or chemical
       process); REM (Removal or disposal); TEM (Technical or engineered material
       use); PROC (Process); USES (Uses)
          (chem. mech. polishing compn. with long pot life for smoothing metal
          layers for electronic devices)
  IT
       7440-25-7, Tantalum, processes
                                        7440-31-5D, Tin, salts
                                                                 7440-50-8,
       Copper, processes
       RL: CPS (Chemical process); PEP (Physical, engineering or chemical
       process); TEM (Technical or engineered material use); PROC (Process); USES
       (Uses)
          (chem. mech. polishing compn. with long pot life for smoothing metal
          layers for electronic devices)
  IT
       51-17-2, Benzimidazole
                               71-43-2, Benzene, uses
                                                         71-43-2D, Benzene,
       derivs.
                 79-21-0, Peroxyacetic acid 93-59-4, Peroxybenzoic acid
       95-14-7, 1H-Benzotriazole 95-16-9, Benzothiazole
                                                            107 - 32 - 4
       Peroxyformic acid 288-32-4, Imidazole, uses 1310-58-3, Potassium
                       1336-21-6, Ammonium hydroxide 12058-66-1, Sodium
       hydroxide, uses
       stannate 12142-33-5, Potassium stannate
                                                 25322-68-3, Polyethylene
               25322-68-3D, Polyethylene glycol, derivs.
       glycol
                                                            25322-68-3D,
       Polyethylene glycol, peroxic acid derivs. 26264-09-5, Chlorobenzoic acid
       28804-48-0, Mercaptobenzotriazole 111716-23-5 403855-40-3
       RL: TEM (Technical or engineered material use); USES (Uses)
          (chem. mech. polishing compn. with long pot life for smoothing metal
          layers for electronic devices)
  IT
      7631-86-9, Colloidal silica, uses
       RL: TEM (Technical or engineered material use); USES (Uses)
          (colloidal; chem. mech. polishing compn. with long pot life for
          smoothing metal layers for electronic devices)
      7440-44-0, Carbon, uses
      RL: MOA (Modifier or additive use); USES (Uses)
          (silica dopant; chem. mech. polishing compn. with long pot life for
          smoothing metal layers for electronic devices)
  => s (chemical mechanical polishing) and ((sodium stannate) or (potassium stannate)
  or (ammonium stannate))
         815474 CHEMICAL
```

229418 MECHANICAL 41510 POLISHING

```
1426 CHEMICAL MECHANICAL POLISHING
                 (CHEMICAL (W) MECHANICAL (W) POLISHING)
        885255 SODIUM
          3785 STANNATE
           389 SODIUM STANNATE
                 (SODIUM(W)STANNATE)
        509299 POTASSIUM
          3785 STANNATE
           112 POTASSIUM STANNATE
                 (POTASSIUM (W) STANNATE)
        313608 AMMONIUM
          3785 STANNATE
            13 AMMONIUM STANNATE
                 (AMMONIUM(W)STANNATE)
L12
             1 (CHEMICAL MECHANICAL POLISHING) AND ((SODIUM STANNATE) OR (POTAS
               SIUM STANNATE) OR (AMMONIUM STANNATE))
=> d, 112, all
       2011232 D
          3624 'L12'
       1671310 ALL
L13
             0 D, L12, ALL
                 (D(W)'L12'(W)ALL)
=> d 112,all
                                                      Inventors
                                                       same ag 09/842476
L12 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN
AN
     2002:185682 CAPLUS
DN
     136:255652
TΤ
     Chemical mechanical polishing composition
     with long pot life for smoothing metal layers for electronic devices
TN
     Wang, Yuchun; Bajaj, Rajeev; Redeker, Fred C.; Li, Shijian
     Applied Materials, Inc., USA
PA
SO
     U.S. Pat. Appl. Publ., 12 pp.
     CODEN: USXXCO
DT
     Patent
LΑ
    English
IC
    ICM B24B001-00
NCL
    451041000
CC
     76-3 (Electric Phenomena)
FAN.CNT 1
    PATENT NO.
                    KIND DATE
                                          APPLICATION NO. DATE
     ______
                     ----
                                          ______
    US 2002031985 A1 20020314
PI
                                          US 2001-842476 20010425
PRAI US 2000-221603P P 20000728
    A method and compn. with long pot life for CMP planarizing a substrate
    surface is provided. The polishing compn. includes an oxidizer capable of
    oxidizing a metal undergoing planarization and yielding a complexing agent
    which complexes with the oxidized metal and a stabilizer such as a
    stannate salt. The compn. may further include abrasive particles and/or
    inhibitors. The compn. may be used in a multi-step polishing process
    including polishing a substrate surface to selectively remove a metal
    layer with respect to a barrier layer and dielec. layer and polishing a
    substrate surface using the compn. to nonselectively remove the metal
    layer, a barrier layer, and a dielec. layer from the substrate surface.
ST
    CMP slurry dielec metal film electronics
IT
    Abrasives
    Alkyl groups
    Aryl groups
    Complexing agents
    Corrosion inhibitors
    Dielectric films
```

```
Oxidizing agents
     Particles
     Slurries
     Stabilizing agents
        (chem. mech. polishing compn. with long pot life for smoothing metal
        layers for electronic devices)
ΙT
     Metals, processes
     RL: CPS (Chemical process); PEP (Physical, engineering or chemical
     process); REM (Removal or disposal); TEM (Technical or engineered material
     use); PROC (Process); USES (Uses)
        (chem. mech. polishing compn. with long pot life for smoothing metal
        layers for electronic devices)
ΙT
     Carboxylic acids, uses
     Polyoxyalkylenes, uses
     RL: TEM (Technical or engineered material use); USES (Uses)
        (chem. mech. polishing compn. with long pot life for smoothing metal
        layers for electronic devices)
IT
     Polishing
        (chem.-mech.; chem. mech. polishing compn. with long pot life for
        smoothing metal layers for electronic devices)
IT
     Polyoxyalkylenes, uses
     RL: TEM (Technical or engineered material use); USES (Uses)
        (derivs.; chem. mech. polishing compn. with long pot life for smoothing
        metal layers for electronic devices)
IT
     Polyoxyalkylenes, uses
     RL: TEM (Technical or engineered material use); USES (Uses)
        (peroxic acid derivs.; chem. mech. polishing compn. with long pot life
        for smoothing metal layers for electronic devices)
IT
     Carboxylic acids, uses
     RL: TEM (Technical or engineered material use); USES (Uses)
        (peroxy; chem. mech. polishing compn. with long pot life for smoothing
        metal layers for electronic devices)
\mathbf{IT}
     Functional groups
        (peroxycarboxylate; chem. mech. polishing compn. with long pot life for
        smoothing metal layers for electronic devices)
IT
     Carboxylic acids, uses
     RL: TEM (Technical or engineered material use); USES (Uses)
        (salts; chem. mech. polishing compn. with long pot life for smoothing
        metal layers for electronic devices)
     334490-97-0, Black diamond
IT
     RL: CPS (Chemical process); PEP (Physical, engineering or chemical
     process); REM (Removal or disposal); TEM (Technical or engineered material
     use); PROC (Process); USES (Uses)
        (chem. mech. polishing compn. with long pot life for smoothing metal
        layers for electronic devices)
IT
     7440-25-7, Tantalum, processes
                                      7440-31-5D, Tin, salts
                                                               7440-50-8,
     Copper, processes
     RL: CPS (Chemical process); PEP (Physical, engineering or chemical
     process); TEM (Technical or engineered material use); PROC (Process); USES
        (chem. mech. polishing compn. with long pot life for smoothing metal
        layers for electronic devices)
     51-17-2, Benzimidazole 71-43-2, Benzene, uses
IT
                                                       71-43-2D, Benzene,
              79-21-0, Peroxyacetic acid 93-59-4, Peroxybenzoic acid
     95-14-7, 1H-Benzotriazole 95-16-9, Benzothiazole 107-32-4,
     Peroxyformic acid 288-32-4, Imidazole, uses
                                                    1310-58-3, Potassium
     hydroxide, uses
                      1336-21-6, Ammonium hydroxide 12058-66-1,
     Sodium stannate
                      12142-33-5, Potassium
     stannate 25322-68-3, Polyethylene glycol
                                                  25322-68-3D,
     Polyethylene glycol, derivs. 25322-68-3D, Polyethylene glycol, peroxic
     acid derivs.
                   26264-09-5, Chlorobenzoic acid 28804-48-0,
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Diffusion barrier

Mercaptobenzotriazole 111716-23-5 403855-40-3
RL: TEM (Technical or engineered material use); USES (Uses)
(chem. mech. polishing compn. with long pot life for smoothing metal layers for electronic devices)

IT 7631-86-9, Colloidal silica, uses

RL: TEM (Technical or engineered material use); USES (Uses) (colloidal; chem. mech. polishing compn. with long pot life for smoothing metal layers for electronic devices)

IT 7440-44-0, Carbon, uses

RL: MOA (Modifier or additive use); USES (Uses)
(silica dopant; chem. mech. polishing compn. with long pot life for smoothing metal layers for electronic devices)